Author Index

Amin, M.
—— and Reusch, J.
High-performance liquid chromatography of water-soluble vitamins. II. Simultaneous determinations of vitamins B_1, B_2, B_6 and B_{12} in pharmaceutical preparations 448
Arpino, P. J.
——, Ignatiadis, I. and De Rycke, G.
Sulphur-containing polynuclear aromatic hydrocarbons from petroleum. Examination of their possible statistical formation in sediments 329
Ascanelli, M., see Coppi, S. 349
Baldwin, R. P., see Schlager, J. W. 379
Barnett, S. C., see Evans, C. H. 391
Batten, C. F., see Wentworth, W. E. 249
Betti, A., see Coppi, S. 349
Binder, H., see Burtscher, E. 401
Blanch, H. W., see Drapeau, D. 297
Bobleter, O., see Burtscher, E. 401
Boček, P., see Křivánková, L. 3
——, see Pospíchal, J. 17
Bossi, M. L., see Gelfi, C. 225
Burtscher, E.
——, Bobleter, O., Schwald, W., Concin, R. and Binder, H.
Chromatographic analysis of biomass reaction products produced by hydrothermolysis of poplar wood 401
Ceva, P., see Pietta, P. 454
Chen, E. C. M., see Wentworth, W. E. 249
Chen, M., see Wang, T. 275
Chowdhury, B. K.
——, Hirani, S. K. and Ngur, D.
High-performance liquid chromatographic study of the photochemical oxidation of vasicine and its analogues 439
Christie, W. W.
——, Connor, K., Noble, R. C., Shand, J. H. and Wagstaffe, P. J.
High-performance liquid chromatographic method for the determination of esterified butyric acid in fats 444
Concin, R., see Burtscher, E. 401
Connor, K., see Christie, W. W. 444
Cooper, W. T., see Lin, L.-Y. 285
Coppi, S.
——, Betti, A. and Ascanelli, M.
Styrene copolymers as pollutant adsorbents. Safe sampling volume determination 349
Deml, M., see Pospíchal, J. 17
Deppermann, K. L., see Stover, F. S. 61
De Rycke, G., see Arpino, P. J. 329
Desbarres, J., see Mosset, D. 69
Drapeau, D.
——, Blanch, H. W. and Wilke, C. R.
Liquid chromatographic isolation of vincristine and vinblastine 297
D'Sa, E. D., see Wentworth, W. E. 249
Eriksson, I., see Johansson, B.-L. 429
Evans, C. H.
—— and Barnett, S. C.
Comparative chromatography of lectins and bioactivity recovery of the immunologic hormone leukoregulin on derivatized silica and on cross-linked agarose molecular-sizing high-performance liquid chromatographic matrices 391
Evershed, R. P.
——, Mercer, J. G. and Rees, H. H.
Capillary gaschromatography–massspectrometry of ecdysteroids 357
Fábián-Vonsik, V., see Molnár-Perl, I. 434
Ford, J. C.
—— and Smith, J. A.
Reversed-phase liquid chromatography of site-specific mutagenized staphylococcal nuclease. Gradient retention and correlations with amino acid-based predictive scales 307
Foret, F., see Křivánková, L. 3
Gagosian, R. B., see Kawamura, K. 371
Gareil, P., see Mosset, D. 69, 241
Gebauer, P., see Křivánková, L. 3
Gelfi, C.
——, Bossi, M. L. and Righetti, P. G.
Diffusion coefficients of proteins in carrier ampholyte *versus* Immobiline gels 225
Gojo, T., see Hirokawa, T. 201
Grote, W. A., see Stover, F. S. 61
Haginaka, J.
—— and Wakai, J.
Liquid chromatographic determination of barbiturates using a hollow-fibre membrane for postcolumn pH modification 421
Hansén, L., see Sollenberg, J. 133
Hayer, M., see Prusík, Z. 87
Hellberg, U., see Johansson, B.-L. 429
Hirani, S. K., see Chowdhury, B. K. 439
Hirokawa, T.
——, Gojo, T. and Kiso, Y.
Isotachophoretic determination of mobility and pK_a by means of computer simulation. V. Evaluation of m_0 and pK_a of twenty-eight dipeptides and assessment of separability 201

Holloway, C. J.
Bimane conjugates of thiols: detection and migration properties in isotachophoretic systems 101
——
Novel method for the isotachophoretic separation of amino acids at low to intermediate pH after derivatization with citraconic anhydride 97
Horváthová, A., see Polonský, J. 141
Ignatiadis, I., see Arpino, P. J. 329
Jarofke, R.
Determination of histamine in biological fluids by capillary isotachophoresis and fluorescence 161
Jenner, P., see Kenndler, E. 169, 185
Johansson, B.-L.
——, Hellberg, U. and Eriksson, I.
Quantitation of the ligand in Phenyl-Superose 429
Kaniansky, D.
——, Madajová, V., Marák, J., Šimuničová, E. Zelenský, I. and Zelenská, V.
Photometric detection at 405 mm in trace analysis by capillary isotachophoresis 51
——, see Šimuničová, E. 121
——, see Zelenský, I. 111
Kašička, V., see Prusík, Z. 39, 87
—— and Prusík, Z.
Mathematical modelling and computer simulation of continuous free flow isotachophoresis 27
Kawamura, K.
—— and Gagosian, R. B.
Identification of ω-oxocarboxylic acids as acetal esters in aerosols using capillary gas chromatography–mass spectrometry 371
Kenndler, E.
—— and Jenner, P.
Isotachophoresis in mixed solvents, consisting of water, methanol and dimethyl sulphoxide. I. The acid–base and migration behaviour of substituted benzenecarboxylic acids 169
—— and Jenner, P.
Isotachophoresis in mixed solvents, consisting of water, methanol and dimethyl sulphoxide. II. Solvation effects on the acid–base and transport properties of cation acids of the ammonium ion type 185
Kiso, Y., see Hirokawa, T. 201
Komanová, E., see Lúčanský, D. 147
Křivánková, L.
——, Foret, F., Gebauer, P. and Boček, P.
Selection of electrolyte systems in isotachophoresis 3
Kuncová, G., see Prusík, Z. 87
Kvasnička, F.
Analysis of the sweetener aspartame by capillary isotachophoresis 237
Lin, L.-Y.
—— and Cooper, W. T.
Isocratic high-performance liquid chromatographic separation and multiple-wavelength ultraviolet detection of aldicarb and its soil degradation products. Optimization of stationary phase selectivity 285
Lin, M., see Wickramaaratchi, M. A. 413
Lúčanský, D.
——, Komanová, E., Marák, J. and Pukáčová, A.
Isotachophoretic analysis of the anionic and cationic products from the manufacture of N-morpholino-2-benzothiazolesulphenamide 147
Madajová, V., see Kaniansky, D. 51
Manera, E., see Pietta, P. 454
Marák, J., see Kaniansky, D. 51
——, see Lúčanský, D. 147
Matejovič, I.
—— and Polonský, J.
Isotachophoretic analysis of cations important in plant nutrition 155
Mauri, P., see Pietta, P. 458
Mercer, J. G., see Evershed, R. P. 357
Molnár-Perl, I.
——, Pinter-Szakács, M. and Fábián-Vonsik, V.
Esterification of amino acids with thionyl chloride acidified butanols for their gas chromatographic analysis 434
Mosset, D.
——, Gareil, P., Desbarres, J., and Rosset, R.
Simple approximate relationships and accurate computer simulation as complementary means for optimizing separation conditions in isotachophoresis 69
——, Gareil, P. and Rosset, R.
Simple calculation of the sample zone pH in isotachophoresis 241
Ngur, D., see Chowdhury, B. K. 439
Noble, R. C., see Christie, W. W. 444
Pace, M., see Pietta, P. 458
Pánik, M., see Polonský, J. 141
Pietta, P.
——, Manera, E. and Ceva, P.
High-performance liquid chromatographic determination of ketoprofen degradation products 454
——, Mauri, P. and Pace, M.
High-performance liquid chromatographic assay for hexokinase 458
Pinter-Szakács, M., see Molnár-Perl, I. 434

Polonský, J.
——, Horváthová, A. and Pánik, M.
Determination of organic acids in steep waters by isotachophoresis 141
——, see Matejovič, I. 155
Pospíchal, J.
——, Deml, M. and Boček, P.
Determination of ionic mobilities and dissociation constants of monovalent acids and bases by micropreparative capillary isotachophoresis with off-line measurement of the pH zones 17
Premuzic, E. T., see Wickramaaratchi, M. A. 413
Prusík, Z., see Kašička, V. 27
—— and Kašička, V.
Desorption isotachophoresis as a tool for sorbent characterization on a microscale — a survey 39
——, Kašička, V., Staněk, S., Kuncová, G., Hayer, M. and Vrkoč, J.
Experimental device for electrokinetic micellar chromatography exploiting some components of capillary isotachophoresis instrumentation 87
Pukáčová, A., see Lúčanský, D. 147
Rees, H. H., see Evershed, R. P. 357
Reusch, J., see Amin, M. 448
Righetti, P. G., see Gelfi, C. 225
Rosset, R., see Mosset, D. 69, 241
Rycke, G. De, see Arpino, P. J. 329
Schlager, J. W.
—— and Baldwin, R. P.
Liquid chromatography–electrochemical detection of ferro- and ferricytochrome *c* at a chemically modified gold electrode 379
Schwald, W., see Burtscher, E. 401
Shand, J. H., see Christie, W. W. 444
Sharma, R., see Subbaramaiah, K. 463
Šimuničová, E., see Kaniansky, D. 51
—— and Kaniansky, D.
Isotachophoretic determination of chloro derivatives of cobaltocarborane without the use of reference analytes 121
Smith, J. A., see Ford, J. C. 307
Snyder, P. A., see Wickramaaratchi, M. A. 413
Sollenberg, J.
—— and Hansén, L.
Isotachophoretic determination of amines from workroom air 133
Staněk, S., see Prusík, Z. 87
Stover, F. S.
——, Deppermann, K. L., Grote, W. A. and Vinjamoori, D. V.
Simple system for total automation of isotachophoresis using an LKB 2127 Tachophor 61
Subbaramaiah, K.
—— and Sharma, R.
Purification of β-amylase from mustard (*Sinapis alba* L.) to homogeneity by chromatofocusing and gel permeation chromatography 463
Sun, Y., see Wang, T. 261, 269, 275
Vinjamoori, D. V., see Stover, F. S. 61
Vrkoč, J., see Prusík, Z. 87
Wagstaffe, P. J., see Christie, W. W. 444
Wakai, J., see Haginaka, J. 421
Wang, T.
—— and Sun, Y.
Definitions and methods of calculation of the temperature-programmed retention index, I_{TP}. I. The relationship between I_{TP} and the net retention volume for *n*-alkanes 261
—— and Sun, Y.
Definitions and methods of calculation of the temperature-programmed retention index, I_{TP}. II. Comparison of I_{TP} values calculated according to different definitions 269
——, Zhong, B., Chen, M. and Sun, Y.
Definitions and methods of calculation of the temperature-programmed retention index, I_{TP}. III. A simplified calculation method based on the extended Kováts definition 275
Wentworth, W. E.
——, Batten, C. F., D'Sa, E. D. and Chen, E. C. M.
Gas phase anion reactions at atmospheric pressure. Atmospheric pressure ionization mass spectrometric studies related to the electron-capture detector 249
Wickramaaratchi, M. A.
——, Premuzic, E. T., Lin, M. and Snyder, P. A.
Circular dichroism detection of optically active compounds in gas chromatography using vacuum ultraviolet synchrotron radiation 413
Wilke, C. R., see Drapeau, D. 297
Zelenská, V., see Kaniansky, D. 51
——, see Zelenský, I. 111
Zelenský, I., see Kaniansky, D. 51
——, Zelenská, V. and Kaniansky, D.
Isotachophoretic determination of chromium(VI) at low parts per billion concentrations 111
Zhong, B., see Wang, T. 275